ANNOTATIONS

of disciplines for the program of training scientific and pedagogical personnel in graduate school

Direction 38.06.01 - "Economics"

profile 08.00.10 "Finance, money circulation and credit"

2019 year of recruitment, full-time

Annotation to the work program of the discipline

Б1.Б.01 History and philosophy of science

(name of the discipline)

Objectives and learning outcomes:

The objective of the course is to gain knowledge of general problems of history and philosophy of science as well as philosophical problems of students' field of postgraduate study.

After completing the course students should be able to use the philosophical study methods applied to science, to do scientific research according to all principles of scientific ethic and personal responsibility for the aims, means and results of scientific work.

Course objectives

The main objectives of the course are to provide students with the necessary conditions and useful information for:

- understanding the principles of history and philosophy of science, methods of History and philosophy of science, tools of History and philosophy of science;

- developing the abilities to prove the strategy of philosophy of science of financial market on the basis of financial and economic risks analysis;

- developing the skills to reveal and conduct independently a research of philosophy of science in activity of economic entities for development of the system of risk management in finance and banking.

Basic information

Duration	108 hours (3 ESTC) First and second semesters of the 1 st year
Starting date	October, 1
Language of instruction	English level B1 (European Framework of Reference of Communicative Skills)
Entry requirements	Master Sciences degree

Outline of content

Week	Lectures	Practice Sessions / Assignments	Hours
1-9	Module 1. General problems of the philosophy of science	6/ test	36
10-24	Module 2. Modern philosophical problems of the branches of scientific knowledge	36/exam	72

Structure of discpline

Type of study	Total, Credits (academic	Sem	ester
	hours)	Autumn	Spring
The total complexity of discipline	3(108)		
Contact work with	1,2 (46)	0,8 (30)	0,4 (16)
teacher:			
Lections	0,8 (30)	0,8 (30)	-
Seminars	0,4 (16)	-	0,4 (16)
Independent work of	0,7 (26)	0,1 (6)	0,5 (20)
students:			
Learning theoretical	0,4 (16)	-	0,4 (16)
course			
Tests	0,1 (6)	0,1 (6)	-
Essay	0,1 (4)	-	0,1 (4)
Type of intermediate	1 (36)	Test	1 (36) Exam
attestation			

Assessments and assessments methods

The first module (36 hours) ends with a test based on the results of testing. The second module (72 hours) ends with the preparation of an essay and passing the exam. The final exam is an oral exam.

Attendance policy

Based on an independent study of historical and scientific material, a graduate student must submit an essay on the history of the relevant branch of science in agreement with the supervisor of the dissertation and the instructor of the philosophy department. If there is a positive assessment, the graduate student is allowed to take an exam in the history and philosophy of science.

Instructor

Professor Viacheslav Kudashov, Doctor in Philosophy Sciences

Annotation to the work program of the discipline

Б1.Б.02 Foreign language

(name of the discipline)

Course aim

The course aims to help students communicate more effectively as scientists, specifically in the English language.

Course objectives

One of the skills required for modern scientists is having a good command of English. The economic study has come into prominence which English is used as the primary means of communication in correspondences, conferences, and in the process of writing scientific articles. The objectives of this course are to introduce students to problem solving, critical thinking and professional communication through integrated skills. The emphasis is on how to use formal vocabulary and expressions in professional and scientific environments both orally and in written form.

Learning outcomes

The «Foreign Language» course comprises 116 class hours of instruction. Upon completion of the course, students will be able to:

- understand and interpret information presented in verbal, numerical or graphical form either written or oral in English;
- organize and present ideas and statements in a clear, logical and appropriate form.
- prepare a scientific paper in English for publication in a scientific journal;
- use the SmartCAT application, online glossaries and specialized online dictionaries and translation systems to quickly generate quality translation.

The structure of the discipline (the distribution of labor for certain types of training classes and independent work): The total complexity of the discipline - 216 hours, 6 credit units. Contact work with a teacher (practical exercises) – 116 hours, independent work - 64 hours, exam - 36 hours.

The main topics: 1. Grammar review; 2. Reading comprehension; 3. Writing Scientific Papers; 4. Conferencing; 5. Reading comprehension; 6. My research work.

Assessments and assessments methods

Coursework assessments involve:

- Individual oral presentations
- Individual Reading Assignment (625 000 characters)
- Oral interactions
- Written tasks of various length (tests, the first draft of science paper, translation, vocabulary list)
- Listening/ viewing.

There is an exam element with this course. It includes written annotation of scientific paper (15000 characters) and oral exam including reading (2000 characters), annotating (2000 characters) and speaking (thesis). The following grades can be awarded: Excellent/ good / satisfactory/ failed

Annotation to the work program of the discipline

Б1.В.01 Banking Research Project Seminars

(name of the discipline)

Goals and objectives of the discipline

The Banking Research Project Seminars for the students of the direction of the educational program Finance & Banking (PhD) is basically aimed at enlarging and enhancing scientific and professional knowledge obtained by them during the learning process on the previous educational stages, helping them successfully apply basic theoretical and practical skills and abilities necessary for conducting an independent applied scientific research project in the field of banking and finance.

The purpose of this course is to acquaint students with the research methods and statistics specifically used in the field of banking, credit and finance, with different views on the history and essence of banks' activities (various bank theories and bank business models), with the process of building the impeccable Project Design as well as creating a testable, strong hypothesis necessary for the whole applied research processes. It also aims at encouraging students to dwell on Applied Research ethical issues and the approaches to them in different academic communities, to learn the nature, concepts, steps and procedures for carrying out acknowledged applied research project or any other research study in general.

On successful completion of this course, students should be able to:

• show their knowledge in the field methodological approaches for carrying out applied research in banking and finance;

• develop the necessary skills to carry out applied scientific research, carry out experimental work in the field of banking and finance;

- generate the need for self-education and improvement of professional knowledge and skills;
- develop the ability to select research methods, bank business theories, bank models and financial models (modifying existing and developing new ones) and their application in accordance with

the research tasks (working on the topic of PhD Thesis);

• develop the skill of formulating and solving problems arising in the course of carrying out applied scientific research project;

• expand the skills of using modern information technologies in the con-duct of applied scientific research;

• get the skills to assess the scientific and practical significance of the results of the research through critical reviews and peer reviews, reasoning and discussions;

• develop the skills for processing the results obtained, analysing and presenting them in the form of Applied research Project reports (presentations, scientific articles, etc.), making the public defence of obtained results;

• discuss and critically compare the different types of applied research in Banking and Finance;

• coordinate different methods of data collection and sampling with the specific hypothesis chosen for the Applied Research Project;

• develop useful skills and abilities to carry out scientific research of any type in the field of banking and finance;

• clearly identify a topic of an applied research project that overlaps the students personal activities;

• critically evaluate and justify a chosen area of the appropriate literature (writing up the Literature Review chapter);

• develop the ability to select and correctly apply appropriate scientific schools, acknowledged scientists, theoretical and practical approaches to research, bank activities theories, bank business models and financial models (writing up the Literature Review chapter);

• acquire the ability to relevantly apply selected scientific schools, theoretical and practical approaches to research in accordance with the research aims, questions and tasks (partly or fully reflected in the topic of PhD Thesis);

• expand the skills of using modern information technologies in the con-duct of applied scientific research.

Structure of the Banking Research Project Seminars (BRPS) Course

The Course Banking Research Project Seminars is organized by the basic department of the Sber Bank of Russia of SibFU throughout the course of training.

Parts of the course BRPS	BRPS Part 3	BRPS Part 4
Periods of carrying out BRPS	3 rd semester	4 th semester
Total amount of hours/ ECTS (including the lectures and seminars)	4 ECTS / 144 hours (56 hours of contact work)	4 ECTS / 144 hours (56 hours of contact work)
The total length of BRPS in weeks	18 weeks	14 weeks

In total the course of Banking Research Project Seminars includes 8 ECTS (Credit Units) or 288 academic hours (including the assessment and supervision of the students' assignments and activities of 56+56 hours per room). Applied research project is considered as a type of an internship which should be conducted, as a rule, in the future workplaces of PhD.

After taking the course students will learn:

1. how to differentiate various theories of bank activities and how to apply them in respect to the Research Project design, problem, question(s) and aim(s);

2. how to organize the research plan or design in order to build a valid and credible applied research project in the field of banking and finance;

3. how to develop a working and testable hypotheses and propose up-to-date re-search questions;

4. how to choose and justify a suitable theoretical basis for a range of Bank Activities Models which are used by scientist working in the field of banking;

5. how to specify independent and dependent variables, check for the validity and reliability of studies and design research projects.

The Labor input of modules and types of studying in relative units (on the condition that maximum productivity is reached at 100%) on the specific course is the following:

attendance of lectures and seminars - 20%;

active participation in discussions and individual/ pair/ group work at seminars and meeting with the course instructor/tutor – 15%;

intermediate control - 15%;

successful passing an examination - 50%.

Goals and objectives of the discipline

Course (module) aim: Formation of complex masters of common cultural and professional competences in the field of actual problems of the theory and practice of finance, organization, planning, financial regulation, in the process of formation and implementation of financial policies

Course objectives

- Identification and analysis of the major controversial issues of financial relations in Russia and abroad;

- A detailed study of the organization's financial and credit relations in the Russian Federation;

- Identifying problems controlling individual elements of the financial system;

- The development of skills with financial information, normative legal acts, reflecting the organization of financial relations in different spheres and links of the financial system, the formation and use of the financial mechanism and financial resources.

Course components (total 108 academic hours, 3 ECTS)

12 hrs interactive lectures

12 hrs seminars

84 hrs self-study time, including home assignments

During classes all information is given in an interactive form with the use of various methods. Focus on reflection and discussion. Short assignments for doing in class or as homework.

Learning outcomes of course (module):

On successful completion of this module, students should be able to:

• Know

Describe the current trends in the development of the financial system;

Examine the feasibility study methodology proposals in the field of modern finance urgent solutions to problems

• Comprehension

Identify the main problems of the financial market.

Construct and interpret the results of the financial management quality ratings

Describe and distinguish the main economic indicators.

• Application

Employ organizational and management decisions, to assess their implications and take responsibility for them;

Find and carry out relevant scientific research in the field of finance problems.

- Analysis
- Differentiate elements of the financial system;

Perform economic calculations that allow the student to evaluate the economic concepts with greater clarity.

• Synthesis

Formulate an appropriate fiscal policy in response to changes in business processes.

• Evaluation

Criticizing budgetary decisions with the use of economic criteria;

Evaluate the position of state fiscal policy.

Type of intermediate attestation: Exam

Goals and objectives of the discipline

Course aim: The Course "Foundations of Research methodology" is basically aimed at expanding scientific and professional knowledge obtained by students during the learning process on the previous educational stages, helping them acquire useful basic theoretical and practical skills and abilities necessary for conducting an independent applied scientific research project in the field of banking and finance.

Thus, the purpose of this course is to acquaint students with the basics of research methods and statistics, with the process of building the Project Design as well as creating testable, strong hypothesis necessary for the whole applied research processes. It also aims at encouraging students to learn the nature, concepts, steps and procedures for carrying out trustworthy applied research project or any other research study in general.

Course objectives

On successful completion of this course, students will be able to:

• ability to critically analyze and evaluate modern scientific achievements, generate new ideas in solving research and practical problems, including interdisciplinary fields;

• ability to analyze interrelations and interdependencies arising in the course of functioning and interaction of various links of financial system, to re-veal tendencies of change of financial indicators;

• develop the ability to select appropriate scientific schools, acknowledged scientists, theoretical and practical approaches to research and financial models;

• carry out critical analysis of the limitations of previous research and implications for the interpretation of gained results;

• acquire the ability to relevantly apply selected scientific schools, theoretical and practical approaches to research in accordance with the research aims, questions and tasks (partly or fully reflected in the topic of Thesis);

• the skill to clearly and correctly formulate the research aim(s) and re-search question(s);

• develop the skill of building the strong hypothesis and formulating and solving problems arising in the course of carrying out applied scientific re-search project;

broaden the skill of independent research planning;

• expand the skills of using modern information technologies in the conduct of applied scientific research;

• acquire the skills to substantiate scientific Research Proposal in the field of banking;

• get the skills to assess the scientific and practical significance of the results of the research;

• develop the skills for processing the results obtained, analysing and presenting them in the form of Applied research Project Reports (presentations, scientific articles, public defence of obtained

results);
explain the concepts and processes of applied research in Banking and Finance;

• differentiate and discuss the different types of applied research in Banking and Finance, as well as different types of research designs;

- identify researchable problems and up-to-date topical issues in Banking and Finance;
- demonstrate skills in literature review;
- formulate correct research questions and strong testable hypotheses;
- explain and publicly justify the steps in testing the hypotheses.

Structure of the course:

Periods of carrying out FRM	1 st semester
Total amount of hours/ ECTS (including the lectures and seminars)	2 ECTS / 72 hours (36 hours of contact work)
The total length of FRM weeks	16 weeks

Learning outcomes of the course

The Course "Foundations of Research methodology" was designed to expand basic knowledge and give students more necessary skills which would help them to undertake an applied research project as smoothly as possible. After going through this course successfully students would be able to get such outcomes:

- ability to critically analyze and evaluate modern scientific achievements, generate new ideas in solving research and practical problems, including interdisciplinary fields;
- ability to analyze interrelations and interdependencies arising in the course of functioning and interaction of various links of financial system, to re-veal tendencies of change of financial indicators;
- develop the ability to select appropriate scientific schools, acknowledged scientists, theoretical and practical approaches to research and financial models;
- preparing and presenting research reports.

The Labor input of modules and types of studying in relative units (on the condition that maximum productivity is reached at 100%) on the specific course is the following:

attendance of lectures - 20%;

active participation in discussions and individual/ pair/ group work at seminars and meeting with the course instructor/tutor – 15%;

intermediate control - 15%;

successful passing an examination – 50%.

Annotation to the work program of the discipline

Б1.B.04 Econometrics

(name of the discipline)

Goals and objectives of the discipline

Course Aims:

• To help students to systematize and repeat previously covered material of basic statistics, which is an important part of the course.

- To assist students to plan an experiment in the field of their interest.
- To provide students with understanding of hypotheses analysis.
- To introduce the basic principles of statistical and mathematical processing of experimental data.
- To give introduction of optimization methods and their application

Course Objectives:

Upon successful completion of the course, the PhD's student will:

•be able to present the basic concepts and methods of statistical reasoning and data analysis in the context of decision-making;

•develop computational skills in fundamental statistical analysis;

•acquire a basic/working knowledge of data analysis using MS Excel and statistical software GRETL (publicly available);

•demonstrate the appropriate level of competence regarding the fundamentals of statistics and econometrics;

•demonstrate the appropriate level of competence in written expression.

Course (module) Structure

The course is implemented during the second semester of the 1st year.

Learning Activities	Hours
Lectures	36
Practice sessions / Seminars	-
Self-study Assignments	36
Total study hours	72 (2 ECTS credits)

Learning outcomes

By the end of the course, students will be able to:

- distinguish the results of violating the assumptions of classical regression model;
- explain the nature and the results of heteroscedasticity;
- explain model specification errors;
- apply qualitative response regression models;
- explain the nature of dynamic econometric models;
- define basic concepts in time series econometrics.

Goals and objectives of the discipline

Course Aim: The main aim of the course is to introduce students to the theoretical toolbox, and contemporary empirical research in corporate responsibility and ethics. This will be done by developing skills to define the impact of social, cognitive and emotional factors on economic decision making by banks and financial organizations and the consequences of this impact on market variables (interest rates, profits, conditions of resources allocation).

Course objectives

The main objectives of the course are to provide students with the necessary conditions and useful information for:

- understanding the principles of economic analysis of the corporate responsibility and ethics, methods of neuroeconomy application, tools of intuitive, heuristic and exact system of rational decisions, heuristics of availability;

- developing the abilities to prove the strategy of economic agents behavior on various segments of financial market on the basis of financial and economic risks analysis;

- developing the skills to reveal and conduct independently a research of financial and economic risks in activity of economic entities for development of the system of risk management in finance and banking.

Type of the course	elective
Course period	1 st and 2 nd semester (34 weeks)
Study credits	3 ECTS credits
Duration	108 hours (58 hours of contact work)
Language of instruction	English

Basic information

Learning outcomes of course (module)

Upon completion of the course, students will be able to:

- carry out the analysis and to give an assessment of the existing financial and economic risks, to make and prove the forecast the key financial and economic indicators dynamics on micro, macro - and mesolevel;

- prove the strategy of economic agents' behavior on various segments of the financial market on the basis of the analysis of financial and economic risks;

- reveal and research the effective directions of corporate responsibility and ethics of innovative development on micro, meso - and macrolevel;

- reveal and research financial and economic risks in activity of economic entities to develop the system of risk management.

Goals and objectives of the discipline

Course Aim: The purpose of teaching the discipline Financial Markets is a comprehensive study of the areas of advanced monetary economy for further qualitative empirical research on the problems of banking and financial intermediaries.

Course objectives:

- this is the formation of students' knowledge of the theory and methods of empirical research of demand for money and supply, including models of precautionary measures and buffer stock, as well as monetary aggregation;

- development of skills to apply for scientific research the necessary methods and tools for forecasting monetary policy;

- development of students' skills comparison of Keynesian and modern classical macroeconomic models of money and participation of financial intermediaries, the banking system.

While taking the course students get acquainted with ways of using describing and summarizing data methods, approaches to building a strong hypothesis and clear well-structured research design, methods of distinguishing macroeconomic factors and assessment of their influence on banking activities, types of data sampling techniques, methods of probability sampling and probability distributions, principles of statistical financial inference, methods of correlation and regression analysis.

Basic information

Type of the course	elective
Course period	1 st and 2 nd semester
Study credits	3 ECTS credits
Duration	108 hours (58 hours of contact work)

Assesment methods:

Assessment is conducted by evaluating a variety of tasks during the study, such as: electronic assignments, research papers, written research project reports and presentations.

Learning outcomes of the course:

- ability to independently carry out research activities in the relevant professional field using modern research methods and information and communication technologies;
- ability to critically analyze and evaluate modern scientific achievements, generate new ideas in solving research and practical problems, including interdisciplinary fields;
- ability to independently carry out research activities in the relevant professional field using modern research methods and information and communication technologies;
- readiness to organize scientific activities in the specialty;
- ability to critically analyze and evaluate modern scientific achievements, generate new ideas in solving research and practical problems, including interdisciplinary fields;
- readiness to use modern methods and technologies of scientific communication.

Goals and objectives of the disciplines

Course aim: Formation of complex PhD skills of to prepare the applicant for independent research work, the main result of which is the writing and successful defence of a thesis for a degree, and to conduct research as part of a creative team

Course objectives

- Identification and analysis of the major controversial issues of financial relations in world economy;

- A detailed study of the organization's financial and credit relations in world economy;

- Identifying problems controlling individual elements of the banks;

- The development of skills with financial information, normative legal acts, reflecting the organization of financial relations in different spheres and links of the financial system, the formation and use of the financial mechanism and financial resources for any bank.

Discipline structure: The courses «Research activities» and «Preparation of scientific qualification work (dissertation)» are read in the 1-4 and 5-6 semesters respectively.

Semester	Scientific research activity	Preparation of the qualifying research
		project (dissertation)
1 st	19 credits (684 hours of self-study work)	-
2 nd	25 credits (900 hours of self-study work)	-
3 rd	20 credits (720 hours of self-study work)	-
4 th	23 credits (828 hours of self-study work)	-
5 th	-	27 credits (972 hours of self-study work)
6 th	-	21 credits (756 hours of self-study work)
Total	87 credits (3132 hours)	48 credits (1728 hours)

Learning outcomes of the course

On successful completion of this module, students should be able to:

- ability to critically analyze and evaluate modern scientific achievements, generate new ideas in solving research and practical problems, including in interdisciplinary areas (universal competence UC-1);
- ability to design and carry out complex research, including interdisciplinary, on the basis
 of a holistic system of scientific worldview using knowledge in the field of history and
 philosophy of science (UC-2);
- ability to analyze interrelations and interdependencies arising in the course of functioning and interaction of various links of financial system, to reveal tendencies of change of financial indicators (professional competence PC-1);
- understand the patterns of functioning of corporate Finance and state and municipal Finance, taking into account the criteria of socio-economic efficiency, risks and possible socio-economic consequences (PC-2);

- have a systematic view of the elements of the monetary system of the Russian Federation, to assess the movement of financial and cash flows, the causes and objectives of state regulation of the financial sector of the economy, the effectiveness of management methods of the monetary system (PC-3);
- understand the patterns of functioning of the securities market and the insurance market (PC-4); readiness to organize scientific work in the specialty (PC-6).

Knowledge - Remembering

Describe the current trends in the development of the financial system; Examine the feasibility study methodology proposals in the field of modern finance urgent solutions to problems Comprehension - Understanding Identify the main problems of the financial market. Construct and interpret the results of the financial management quality ratings Describe and distinguish the main economic indicators. Application- Applying Employ organizational and management decisions, to assess their implications and take responsibility for them; Find and carry out relevant scientific research in the field of finance problems. Analysis- Analysing Differentiate elements of the financial system; Perform economic calculations that allow the student to evaluate the economic concepts with greater clarity. **Evaluation- Evaluating** Criticizing budgetary decisions with the use of economic criteria; Evaluate the position of state fiscal policy. Synthesis- Creating Compose an appropriate financial policy in response to changes in business processes.

ФТД.В.01 Social Impact Finance

(name of the discipline)

Goals and objectives of the disciplines

Course aim: The aim of this class is to develop both an ability to make portfolio selection decisions based on an analysis of security characteristics and an appreciation of the wider role of risk management in finance. Candidates will develop an understanding of the decision-making process governing the selection of risky assets by investors.

Course objectives:

The basic intended objective of the course is to provide students necessary conditions and useful information for:

- 1. Understanding of the General regularities and tendencies of development of modern finance system;
- 2. Identification and analysis of the major controversial issues of finance relations in different countries;
- 3. Mastering the skills of work with modern normative legal acts;
- 4. Developing the ability to use methods of Social Impact Finance to support managerial decisions in Finance and banking

Course Structure

The discipline is read in 5th and 6th semesters on the 3rd year.

Learning Activities	Hours
Lectures	-
Practice sessions / Seminars	36
Self-study Assignments	36
Final Puss (including preparation)	-
Total study hours	72 (2 credits)

Learning outcomes of course

ΠK-6. Professional competencies 6: Willingness to organize research activities in the specialty. On successful completion of this module, students should be able to:

Know

describe advanced methods of calculating the efficient frontier;

explain the role of the index and multivariate models in simplifying portfolio selection; *Comprehension*

Identify the main problems of the finance.

Construct and interpret the results of the financial management quality ratings Describe and distinguish the main economic indicators.

Application

Employ organizational and management decisions, to assess their implications and take responsibility for them;

Find and carry out relevant scientific research in the field of finance problems.

Analysis

Differentiate elements of the financial system;

Perform economic calculations that allow the student to evaluate the economic concepts with greater clarity.

Synthesis

Formulate an appropriate fiscal policy in response to changes in business processes.

Evaluation

Criticizing decisions with the use of economic criteria;

calculate the efficient frontier for a portfolio of securities and derivatives;

measuring risks which characterize the financial investment process

Form of assessment:

Students will be required to complete 5 assignments and study case, 5 quizzes and final quiz Student's grades will be based on the following scheme:

20% - assignments;

20% - case study;

20% - quizzes;

40% - final quiz which includes open and multiple-choice questions

Goals and objectives of the disciplines

Course aim: The aim of this class is to develop both an ability to make portfolio selection decisions based on an analysis of financial technology and an appreciation of the wider role of risk management in banking. Candidates will develop an understanding of the decision-making process governing the selection of risky of financial technology.

Course objectives:

The basic intended objective of the course is to provide students necessary conditions and useful information for:

1. Understanding of the financial technology and tendencies of development of banking;

2. Identification and analysis of financial technology of the major controversial issues of finance relations in different countries;

3. Mastering the skills of work with modern normative legal acts of financial technology;

4. Developing the ability to use methods of financial technology to support managerial decisions in banking

Course Structure

The discipline is read in 2nd semester of the first year.

Learning Activities	Hours
Lectures	16
Practice sessions / Seminars	24
Self-study Assignments	32
Final Pass (including preparation)	-
Total study hours	72 (2 credits)

Learning outcomes of course

ΠK-6. Professional competencies 6: Willingness to organize research activities in the specialty. On successful completion of this module, students should be able to:

Know

describe advanced methods of calculating the efficient frontier;

explain the role of the index and multivariate models in simplifying portfolio selection; *Comprehension*

Identify the main problems of the financial technology.

Construct and interpret the results of the financial technology quality ratings

Describe and distinguish the main economic indicators.

Application

Employ organizational and management decisions, to assess their implications and take responsibility for them;

Find and carry out relevant scientific research in the field of financial technology problems. *Analysis*

Differentiate elements of the financial technology;

Perform economic calculations that allow the student to evaluate the economic concepts with greater clarity.

Synthesis

Formulate an appropriate financial technology in response to changes in business processes. *Evaluation*

Criticizing decisions with the use of financial technology criteria;

calculate the efficient frontier for a portfolio of securities and derivatives;

measuring risks which characterize the financial investment process

Form of assessment

Students will be required to complete 5 assignments and study case, 4 quizzes and final quiz Student's grades will be based on the following scheme:

20% - assignments;

20% - case study;

20% - quizzes;

40% - final quiz which includes open and multiple-choice questions